

| Duty to Investigate  |                 |   |  |                      |                      |   |   |  |                             |              |   |                           |
|--|-----------------|---|--|----------------------|----------------------|---|---|--|-----------------------------|--------------|---|---------------------------|
| Section 19 Investigations  |                 |   |  |                      |                      |   |   |  |                             |              |   |                           |
| Lincolnshire County Council Section 19 Investigations - West Lindsey District Council & City of Lincoln Council Network Area - Area Highways Manager Mike Reed (North) |                 |   |  |                      |                      |   |   |  |                             |              |   |                           |
| Date of Incident   | Town / Locality | Street / Road Name  | Description of Flooding  | Number Of Properties | Investigation Status | Proposed Action/Works   | Risk Management Authorities with Responsibilities and whether they are exercising functions | Consideration for inclusion in future Common Works Programme | Promoter                    | Works Status | Estimated Timescales Recommendation / Scheme Completion                                       | S19 Report File Reference |
| 30 April 2012  | Lincoln         | St Catherine's Grove  | Surface water backed up and surcharged into St Catherine's grove due to flap valve sticking open.<br>2 properties  | 2                    | Completed            | AW to maintain flap valve inspection regime to be discussed with AW & LCC. Inspections being carried out on a monthly basis.  | LCC - Yes<br>Anglian Water - Yes<br>Environment Agency - Yes                                | No   | AW                          | Completed    | Complete Spring 2014  | S19-030                   |
| 28 June 2012   | Caistor         | Castle Hill - LN7 6QL   | Following heavy rainfall the Anglian Water foul sewer system became overwhelmed due to infiltration of surface water and backed up into a property in Castle Hill.<br>1 property   | 1                    | Completed            | AW to maintain the non-return valve.  | Anglian Water - Yes   | No   | AW                          | Completed    | Complete Autumn 2012  | S19-031                   |
| 28 June 2012   | Keelby          | Maple Avenue - DN41 8EN<br>Pelham Crescent - DN41 8EW<br>Riby Road - DN41 8ER | Flooding was caused by surcharging surface water sewers combined with overland flows.<br>4 properties<br>Maple Avenue - 2 Properties<br>Pelham Crescent - 1 Property<br>Riby Road - 1 Property   | 4                    | Completed            | Surface water drainage scheme under consideration. Further LCC investigation and design required.<br>Feasibility 2019/20<br>Work 2024<br><br>Some A18 cut-off remedial work has been identified to have some mitigation benefit.  | LCC - Yes<br>Anglian Water - Yes  | Yes (may also require Anglian Water investment)              | LCC<br>AW                   | On-going     | Investigation & Feasibility 2020/21<br>Possible works 2023/24. Potential Grant In Aid scheme. | S19-032                   |
| 28 June 2012   | Keelby          | Eastfield Road - DN41 8JE   | Surface water sewer overwhelmed due to its connection to a blocked riparian drain.<br>3 properties   | 3                    | Completed            | All risk management partners have completed their actions and responsibilities.   | Anglian Water - Yes<br>North East Lincs IDB - Yes<br>LCC - Yes                              | No   | LCC                         | Completed    | Possible works 2020/21  | S19-033                   |
| 28 June 2012   | Moortown        | Brigg Road - LN7 6JA  | Extreme rainfall (in the order of a 1 in 200 year event) caused the riparian ditches in front of properties on Brigg Road to overtop causing internal flooding.<br>1 property  | 1                    | Completed            | Riparian owner and Ancholme IDB have completed their actions and recommendations. Residents have been informed of their responsibilities.   | Ancholme IDB - Yes  | No   | Ancholme IDB                | Completed    | Complete Spring 2014  | S19-034                   |
| 28 June 2012   | Spridlington    | Faldingworth Road - LN8 2DF   | Extreme rainfall (in the order of a 1 in 200 year event) caused surcharging of the highway drainage system in the village and internal flooding.<br>1 property   | 1                    | Completed            | IDB requested to assess for enforcement action and recommendations advised to residents   | LCC - Yes   | No   | LCC                         | Completed    | Complete Autumn 2013  | S19-035                   |
| 06 July 2012   | Lincoln         | Tritton Road - LN6 7AF  | Internal flooding to an industrial property caused by blockage to private sewer.<br>1 commercial property  | 1                    | Completed            | No further action at this time  | None  | No   | Riparian owner              | Completed    | Complete Spring 2013  | S19-036                   |
| 10 July 2012   | Bardney         | Laing Close - LN3 5XS   | Surcharging from foul and surface water sewers due to blockages within the surface water system. Concerns over operation of foul sewer system due to possible downstream pump failure, excessive surface water connectivity to the foul sewer and the effectiveness of the overflow arrangements at the pumping station.<br>1 property   | 1                    | Completed            | LCC system checked and ok, problems found with AW surface water system and reported to AW, mitigating action taken by erecting flood boards at the property. AW has confirmed all remedial work has been carried out, and a regular maintenance regime is now in place. Witham 3rd IDB have installed a new culvert under Abbey Road to increase capacity of the drainage system. This work was carried out in November 2014. | LCC - Yes<br>Anglian Water - Yes<br>Witham 3rd IDB - Yes                                    | Yes - Possible upgrading of Witham 3rd culvert.              | LCC<br>AW<br>Witham 3rd IDB | Completed    | Complete Winter 2014  | S19-037                   |
| 24 May 2014  | Kexby           | High Street - DN21 5LZ  | History of surface water flooding and drainage issues in location. Most recent event involved an intense period of persistent rain causing surface water drains to back up and flow into the garden and driveway, and then into the property whilst the resident was not at home.<br>1 property  | 1                    | Completed            | System has been cleansed and jetted, WLDC have swept the roads. Damaged surface water drain is currently being replaced by LCC.   | LCC - Yes   | No   | LCC                         | Completed    | Completed Autumn 2015   | S19-076                   |
| 09 June 2014   | Scotter         | High Street - DN21 3RX  | Heavy rainfall, in a short duration caused excess surface water to flow down the High Street and into the carpark. The water entered through the rear door where it damaged Lounge carpets and refrigeration units in the bar. This occurred on two occasions. Sandbags were issued when the property was threatened on a third occasion. However it did not breach the threshold. Notified in Dec 14<br>1 commercial property | 1                    | Completed            | Survey to be carried out on minor footway improvement scheme to be done.  | LCC - Yes   | No   | LCC                         | Completed    | Complete Autumn 2015  | S19-128                   |
| 09 June 2014   | Somerby         | Corringham Road - DN21 3HQ  | Following torrential rainfall, the highway ditches became overwhelmed causing the outfall pipe to the property's septic tank to back up the drains in the property, subsequently leading to water entering the property.<br>1 property   | 1                    | Completed            | Recommendations provided to riparian owner  | LCC - Yes   | No   | Riparian Owner              | Completed    | Complete Winter 2014  | S19-082                   |

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| Date of Incident  | Town / Locality | Street / Road Name  | Description of Flooding  | Number Of Properties | Investigation Status | Proposed Action/Works   | Risk Management Authorities with Responsibilities and whether they are exercising functions | Consideration for inclusion in future Common Works Programme | Promoter                    | Works Status | Estimated Timescales Recommendation / Scheme Completion | S19 Report File Reference |
|-------------------|-----------------|---|--|----------------------|----------------------|---|---|--|-----------------------------|--------------|---|---------------------------|
| 09 June 2014      | Blyton          | High Street - DN21 3LA  | Surface water run-off from higher ground to the rear of the property following a period of heavy rain caused the property to flood. The dyke to the side of the property backed up causing water to cascade down towards the restaurant located at the rear. The drainage system was unable to cope with the volume of water.<br><br>1 commercial property   | 1                    | Completed            | The riparian/property owner has been informed of his responsibilities, and of flood resilience measures to help alleviate the property from flooding in the future.   | LCC - Yes   | No   | Riparian Owner              | Completed    | Complete Autumn 2014                                    | S19-089                   |
| 09 June 2014      | Blyton          | Station Road - DN21 3LE   | Following torrential rainfall, the highway drains were unable to cope with the amount of surface water on the carriageway causing internal flooding to the property.<br><br>1 property   | 1                    | Completed            | The property owner has been made aware of property resilience measures that should help alleviate flooding in the future.   | LCC - Yes   | No   | Riparian Owner              | Completed    | Complete Sept 2014                                      | S19-090                   |
| 09 June 2014      | Gainsborough    | Caldicott Drive<br>Darwin Street<br>Elsham Walk<br>Hill Crescent<br>Limber Close<br>Marshalls Yard<br>Priory Close<br>Rectory Avenue<br>Silver Street<br>Spring Gardens<br>Tower Street<br>Trinity Street<br>Long Wood Road | Over a period of 60 minutes during the afternoon 43.4mm of rain fell in Gainsborough, of which 35.6mm fell in 30 minutes (a return period of 227 years). The surface water drains and combined sewer systems were unable to cope with the intense rainfall, the various systems consequently surcharging and the resulting surface water runoff entering properties. In all around 53 properties were flooded internally.<br><br>53 properties | 53                   | Completed            | At least 5 schemes have been identified through feasibility studies and placed on the national Medium Term Plan.<br><br>Further feasibility work is required, which is ongoing. It is anticipated that construction could be started in 2024, subject to funding. | LCC - Yes<br>WLDC - Yes<br>Severn Trent Water - Yes   | Yes  | LCC                         | On-going     | Feasibility 2021/22<br>Construction 2024/25             | S19-115                   |
| 09 June 2014      | Hemswell Cliff  | Capper Avenue - DN21 5XS  | Following torrential rainfall that fell in a short duration, surface water flowed off the unadopted road and onto the property causing internal flooding to the bungalow.<br><br>1 property  | 1                    | Completed            | Management company informed. No further action required   | LCC - Yes<br>Anglian Water - Yes  | No   | Riparian owner              | Completed    | Winter 2015   | S19-127                   |
| 19 July 2014      | Market Rasen    | Oxford Street - LN8 3AL   | Following a period of unusually intense rainfall as a result of which the surface water highway drain surcharged, the resultant surface runoff from the road and footway entered the property through the door.<br><br>1 commercial property   | 1                    | Completed            | Routine maintenance will be carried out to remove the blockage from the connection further down the system.   | LCC - Yes   | No   | LCC                         | Completed    | Autumn 2015   | S19-114                   |
| 20 July 2014      | Scotter         | Eminson Close - DN21 3RG  | During heavy rain in the area, the surface water drainage system located on the High Street was unable to cope with the excess water causing it to flow down the eastern side of Eminson Close and into the garden. The water entered the property via the garage and air bricks and caused damage to the living area of the property. Flooding also occurred on the 10th Aug 2014.<br><br>1 property  | 1                    | Completed            | LCC to carry out a level survey and further drainage investigations, to identify any problems with the current system and reconstruction works to alter footway and kerbs in the area.  | LCC - Yes   | No   |                             | Completed    | Autumn 2015   | S19-079                   |
| 10 August 2014    | Lincoln         | High Street - LN5 7PY   | Flooding to the premises was due to heavy & persistent rain falling that day. Ponding surface water collected on the footway outside the premises in a hole in the footway. Due to the gully in the carriageway being full of building debris, water was unable to exit into the sewer, thus the ponding water entered the shop causing internal flooding to the sales floor.<br><br>1 commercial property                                     | 1                    | Completed            | System has been cleansed and jetted and will be inspected by LCC Highways on a regular basis. The gullies and sewer system is cleansed routinely on the LCC cyclic maintenance schedule.  | LCC - Yes   | No   | LCC                         | Completed    | Complete Autumn 2014                                    | S19-083                   |
| 10 August 2014    | Corringham      | Middle Street - DN21 5QS  | Intense summer rainfall caused property internal flooding. The cause of the flooding was due to a blocked highway drain located at the front of the property.<br><br>1 property  | 1                    | Completed            | System has been cleaned and jetted following the incident. All flood resilience work will be carried out by the landlord.   | LCC - Yes   | No   | LCC<br>Riparian Owner       | Completed    | Complete Autumn 2014                                    | S19-091                   |
| 10 August 2014    | South Kelsey    | Thornton Road - LN7 6PS   | Intense summer rainfall caused a combined sewer in the highway to surcharge, leading to a mixture of surface water and foul water entering the property. Investigations revealed an obstruction in the sewer system.<br><br>1 property   | 1                    | Completed            | Anglian water to carry out a condition survey of the system and the resident to consider carrying out the fitting of a non-return valve to the private system.  | LCC - Yes<br>Anglian Water - Yes  | No   | LCC<br>AW<br>Riparian Owner | Completed    | Complete Autumn 2015                                    | S19-104                   |
| 14 September 2015 | Lincoln         | Percy Street - LN2 5ET  | Customer rang to report that during Monday evenings heavy rainfall their house was flooded due to blocked drains at the bottom of the road. Customer has had to have all the carpets ripped up and the back garden was under approx 2 feet of water.<br><br>1 property   | 1                    | Completed            | LCC to clean and jet gullies and connections  | LCC - Yes<br>AW - Yes   | No   | LCC<br>AW                   | On-going     | End 2015  | S19-132                   |

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| Date of Incident | Town / Locality   | Street / Road Name         | Description of Flooding   | Number Of Properties | Investigation Status | Proposed Action/Works   | Risk Management Authorities with Responsibilities and whether they are exercising functions | Consideration for inclusion in future Common Works Programme | Promoter | Works Status | Estimated Timescales Recommendation / Scheme Completion | S19 Report File Reference |
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| 14 August 2015   | Lincoln           | High Street - LN5 7PY      | On-going issue where water has come into the premises which is affecting their business. This was reported over a year ago and they were promised that something would be done about this. Yet again water has entered the premises and they will have lost over a couple of thousand pound again. They want to speak to someone today to try to resolve the matter because it is going to rain again today and tonight which could again enter the premises which will affect their business.<br><br>1 commercial property | 1                    | Completed            | The property owners have been advised to ensure the drain holes are regularly cleaned to prevent debris blocking them up. Furthermore the owners could remove the brick wall and replace it with metal railings as what was there previously in 2011. | LCC - Yes   | No   | LCC      | Completed    | End 2015  | S19-133                   |
| 14 August 2015   | Lincoln           | Newark Road - LN5 8PB      | Internal Flooding in District Council owned Lexington House / Access Road to Lexington House, Newark Road, Lincoln. A crew from Lincoln South Fire Station was called to the flats on Newark Road in the city at about 1.45am 14/8/15. A light pump and strainer was used to pump the flood water from the four flats. A Section 19 investigation required into the cause of the flooding by LCC.<br><br>4 properties   | 4                    | Completed            | LCC to ensure that these gullies are included in the cyclic gully maintenance.  | LCC - Yes   | No   | LCC      | Completed    |   | S19-134                   |
| 23 November 2015 | Lincoln           | The Park - LN1 1XS         | Drainage overwhelmed by surface water, which continued to flow through the business wall and cause internal damage to carpets in rear room. The cause of flooding is inconclusive as to the location of the internal flooding.<br><br>1 property  | 1                    | Completed            | As the cause of the flooding is inconclusive, it is not possible to make any recommendations.   | LCC - Yes   | No   | LCC      | Completed    | Summer 2016   | S19-149                   |
| 08 January 2016  | Lincoln           | Lindum Avenue - LN2 5JB    | Surface water is running down the hill outside the property filling the gullies. The water is then rising up through the floorboards in the kitchen located in the basement.<br><br>1 property  | 1                    | Completed            | It would be prudent for the owners of the property to consider the installation of a tanking system to prevent the ingress of groundwater into the property in the future.  | LCC - Yes   | No   | LCC      | Completed    | Summer 2016   | S19-150                   |
| 12 June 2016     | Brookenby         | Dale View Road - LN8 6EP   | Internal Flooding. Flooding caused by surcharging manhole in verge.<br><br>2 properties   | 2                    | Completed            | Install a new soak away in highway verge.   | LCC - Yes   | No   | LCC      | Completed    | TBC   | S19-179                   |
| 15 June 2016     | Cherry Willingham | Ancaster Close             | Flooding into the property due to drainage, water in customers house.<br><br>1 property   | 1                    | On-going             | Awaiting report   | TBC   | TBC  | TBC      | On-going     | TBC   | S19-164                   |
| 19 May 2017      | Lincoln           | Frederick Street - LN2 5NL | Kitchen is flooded with clear water that may be coming from the rain? Water entered from below ground level. They have inspected their own pipework and have found no leaks.<br><br>1 property  | 1                    | Completed            | Inform the resident of the outcome  | LCC - Yes   | No   |          | Completed    |   | S19-188                   |
| 9th August 2017  | Scotter           | Eminson Close - DN21 3RG   | Surface water run-off following heavy rainfall events.<br><br>1 property  | 1                    | Completed            | Works are planned to replace a defective highway drain in private land, subject to landowner permission.  | LCC - Yes<br>Severn Trent Water - Yes   | Yes  | LCC      | On-going     | TBC   | S19-154                   |
| 02 April 2018    | Blyton            | High Street - DN21 3LA     | Surface water run-off from higher ground to the rear of the property following a period of heavy rain caused the property to flood. The drainage system was unable to cope with the volume of water which caused the dyke to the side of the property to overflow.<br><br>1 property  | 1                    | Complete             | The riparian/property owner has been informed of their rights & responsibilities, and of flood resilience measures to help alleviate the property from flooding in the future.  | LCC - Yes<br>Riparian Owner   | No   | LCC      | On-going     | TBC   | S19-089                   |
| TBC              | Cherry Willingham | Lime Grove - LN3 4BD       | Surface water flooding.<br><br>1 property   | 1                    | On-going             | TBC   |   |  |          | On-going     |   | S19-201                   |
| 10 August 2018   | Lincoln           | Percy Street - LN2 5ET     | Surface water running up the footway, off the road, into the garden and through the rear door of the property.<br><br>1 property  | 1                    | Completed            | TBC   | LCC - Yes<br>Witham 3rd IDB - Yes<br>EA - Yes<br>AW - Yes                                   | TBC  | TBC      | On-going     | TBC   | S19-213                   |

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| 10 August 2018   | Lincoln           | Allenby Close - LN3 4RP | Allenby close is not yet adopted by LCC. It appears that the condition of the surface water drainage was such that it could not cope with relatively insignificant rainfall events, which resulted in surface water runoff entering the residence.<br><br>1 property | 1                    | Completed            | It is recommended that the developer undertakes regular cleansing of the surface water drainage until such time as the estate road is adopted as highway. Thereafter, cyclic cleansing should be undertaken. In addition, remedial action should be considered as agreed between the developer and CoLC as local planning authority. | LCC -Yes<br>Witham 3rd IDB - Yes<br>EA - Yes<br>AW - Yes<br>CoLC - Yes                      | No   | CoLC     | On-going     | TBC   | S19-214                   |
| 11 June 2019     | Cherry Willingham | Lime Grove - LN3 4BD    | TBC<br>1 Primary School  | 1 TBC                | On-going             | TBC  | TBC   | TBC  | TBC      | On-going     | TBC   | S19-180                   |
| 14 June 2019     | Skellingthorpe    | Jerusalem Road          | TBC  | 1 TBC                | On-going             | TBC  | TBC   | TBC  | TBC      | On-going     | TBC   | S19-232                   |
| 14 June 2019     | Lincoln           | High Street             | TBC<br>1 Commercial property   | 1 TBC                | On-going             | TBC  | TBC   | TBC  | TBC      | On-going     | TBC   | S19-233                   |
| 18 June 2019     | Lincoln           | Alexandra Terrace       | TBC  | 1 TBC                | On-going             | TBC  | TBC   | TBC  | TBC      | On-going     | TBC   | S19-244                   |
| 27 July 2019     | Lincoln           | Welton Gardens          | Internal flooding to a domestic property.<br><br>1 property  | 1                    | On-going             | Awaiting report  | TBC   | TBC  | TBC      | On-going     | TBC   | S19-251                   |